



University of Manchester and
Central Manchester NHS FT
Business and Community Engagement

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1. background
2. historical position
3. BCE: the driver for change
4. where we've got to and next steps

background

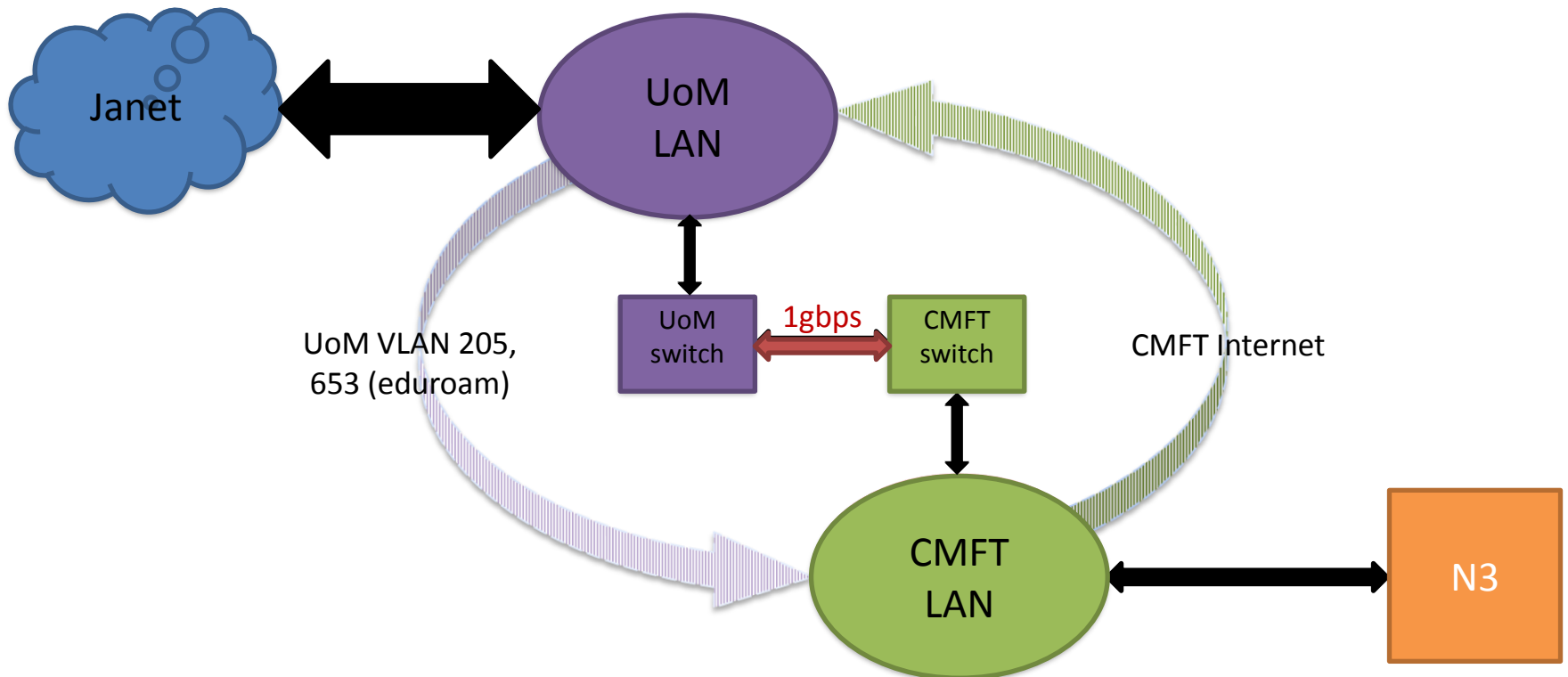
- UoM and CMFT have very close research, educational and geographical links
- 400-500 UoM clinical academics on the CMFT site
- 200-300 CMFT staff hold honorary appointments in UoM
- 300+ clinical years (3-5) medical students are educated in CMFT

- CMFT is one of UoM's six NHS partners in **MAHSC** – work closely in research, education and clinical care
- in 2012 the MHS Faculty restructured to align with the six MAHSC clinical themes:
 - cancer
 - cardiovascular
 - human development
 - inflammation and repair
 - mental health
 - population health and implementation

historical position

- UoM and CMFT have had a network link since 1996
- UoM and CMFT co-operated initially to provide:
 - UoM clinical academics in CMFT access to UoM LAN, UoM CIT services and Janet
 - controlled access to Janet for CMFT staff via Janet sponsored licence

UoM - CMFT basic connectivity



basic connectivity

- UoM staff in CMFT
 - access to UoM LAN and Janet via VLAN (205)
 - devices have UoM IP numbers (130.88.*.*)
 - UoM imposes no restrictions (subject to Janet AUP)
- NHS staff in CMFT
 - access to Janet: NATed by CMFT to specific UoM IP numbers
 - CMFT restricts the type of traffic sent to Janet
 - high bandwidth (eg YouTube) – keeping bandwidth down
 - inappropriate traffic – protect reputation

example services

- Internet (incl mail) for CMFT staff
- UoM LAN and CIT (via VLAN) for UoM Staff
- eduroam in CMFT Education Centre (iPads)
- CMFT educational resources (Moodle etc)
- n x CMFT site-to-site VPNs (eg medical records)
- video-conferencing
- a/v streaming from CMFT Op Theatre to UoM Anatomy Suite
- UoM <-> CMFT research data

issues

- murky governance, ownership, responsibilities
- no formal written agreement in place
 - definition of services/traffic, availability
 - formal support, process in the event of an incident
- little resilience / no redundancy
 - link is a SPOF for UoM staff in CMFT
 - some resilience for CMFT staff through N3-Janet gateway
- Janet 'sponsored links' ended July 2012 with the BCE initiative

Janet BCE Initiative (2012)

- liberalisation of Janet policies regulating who can use the network and for what purpose
- allows HEIs to develop their BCE activities via Janet
- key change: HEI can pass on some of their own Janet bandwidth to a 'partner' provided the partner:
 - meets Janet Eligibility Policy
 - agrees to abide by the Janet AUP and Security Policy

'state aid' issue

- **gotcha:** HEIs mustn't fall foul of UK competition law and EU state aid rules
- existing free position or any significant undercutting of commercial rates could be viewed as state aid, anticompetitive and open to challenge
- in practice, this means HEIs need to charge partners a **commercial rate** for use of the network
 - ... including existing use for solely mutual research and educational purposes*

- commercial rates (2011)

<u>bandwidth</u>	<u>minimum</u>	<u>median</u>
10 Mb/s	£8.9k	£10.8k
100 Mb/s	£13.3k	£21.8k
1Gb/s	£25k	£112.6k

UoM approach

- Janet strongly recommends that the HEI puts in place a “legally binding” agreement with the Partner
- UoM prefer an **MoU** - recognising very close relationship and partnership
- more equitable sharing of costs – recognising mutual requirements and benefits of the link

UoM-CMFT MoU

- five key points to address in the agreement
 - define the service(s) and metrics
 - ensure the partner abides by the Janet AUP and SP
 - the HEI acts as the communications channel
 - the HEI handles security (via CSIRT)
 - the charges for the service

Where we are and next steps ...

- discussions with CMFT - principles of cross-charging agreed
- draft MoU to be submitted to CMFT for agreement
- service management group established under MoU
- discussions on a second route to improve resilience
- CMFT reciprocal agreement to cover their infrastructure and support costs
- 'template' for SRFT and others

Questions ?

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